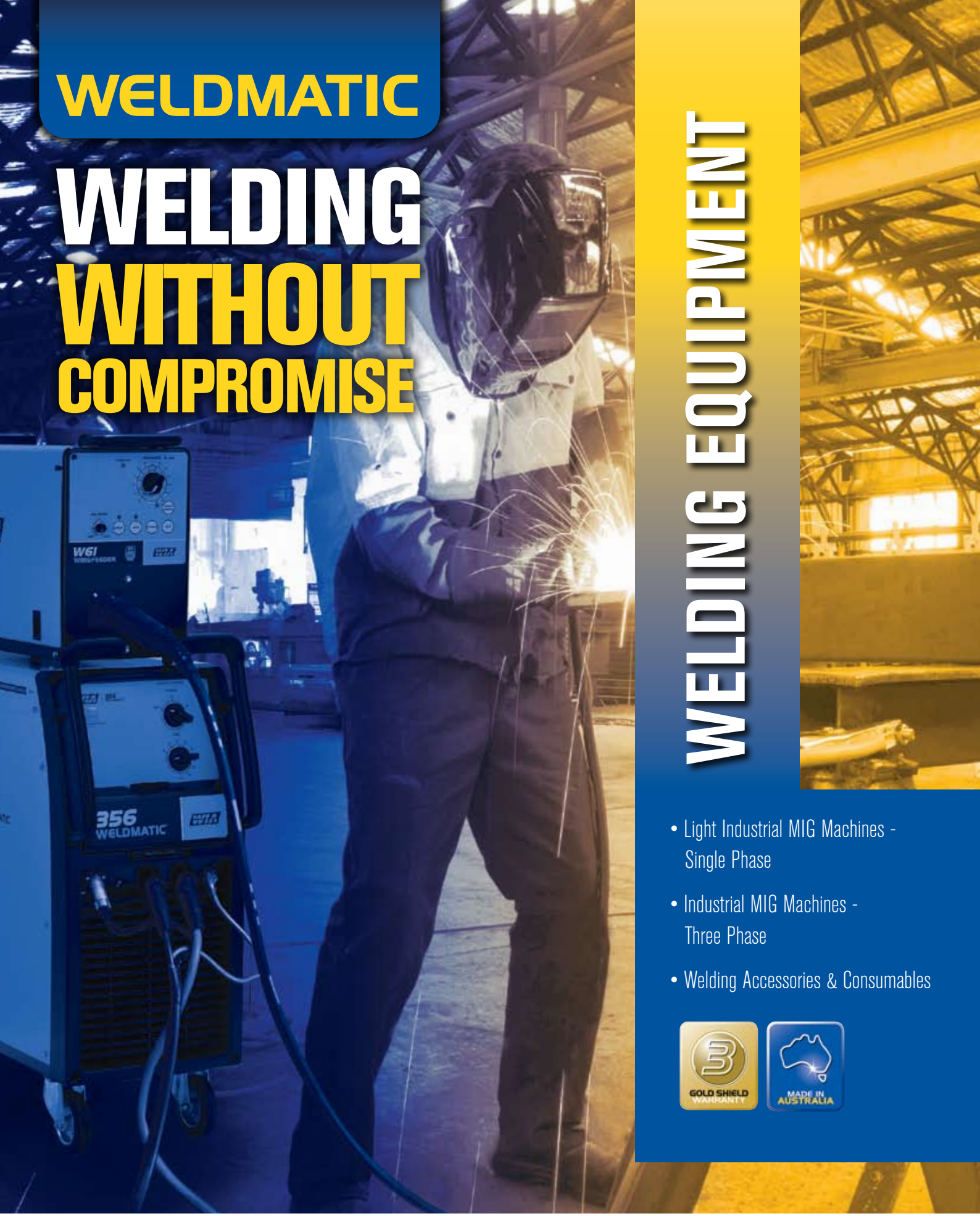

welding.com.au 1300 300 884

WELDMATIC

At WIA we are serious about product quality.

Every new Weldmatic comes fully backed by the WIA Gold Shield 3 Year Warranty, covering parts and workmanship, so you can be guaranteed you're buying reliability and performance.

Weldmatic machines* are backed by an Australia wide local service network giving you peace of mind.

* Gun cables and gas regulators are covered by the relevant manufacturer's warranty.

WIA Backed. Australian Made. Local Support.

For more information on WIA's Weldmatic range of MIG welders - or to locate your nearest WIA Stockist - visit welding.com.au or call 1300 300 884.

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WIA Helpful Hints ..... inside back cover

SELECTING A MIG WELDER: BUYER'S GUIDE

When it comes to selection of a MIG welding machine, the choices are endless. It comes down to how much you want to spend, frequency of use and the thickness of the material being welded.

As with everything else, you will get what you pay for when it comes to welding equipment. Investing in a quality welding machine, from one of the major manufacturers, ensures a dependable welder will be in your shed for decades.

Purchasing a MIG welding machine should be viewed as a long-term investment. The right choice will last for many years, while the wrong choice will require replacement after a short period of time. Reliability and performance should always be a major consideration when purchasing welding equipment. The last thing you need is for the machine to break down in the middle of a job that needs to get done, or deliver a weld that isn't acceptable.

Drive System and Transformer Quality

Drive system and transformer quality is essential to keep the machine running smoothly. A drive system designed for durability will feature brass or high quality glass reinforced plastic inlet guides, and fully enclosed motor. The transformer should be varnish dipped and baked to prevent the entrance of moisture and dust. This is important to keep the transformer from shorting.

Welding Current Range

Welding range is another consideration. Selecting a MIG machine with a wide welding range, capable of delivering low to high amperage, will provide the versatility of handling a range of applications and range of material thickness. Ensure the machine you are purchasing performs at its true rating. If a machine promises 255 Amps, then it should have the required voltage to be capable of delivering exactly that – not less.

Ensure the machine you are purchasing performs at its true rating. If a machine promises 255 Amps then it should have the required voltage to be capable of delivering exactly that – not less.

Will it Stand up to Australian Conditions?

So what should you look for when buying a MIG welder? Before handing over your hard earned cash, check that the brand of welding machine you are considering has a good history in the Australian market. Unless designed for the diverse range of Australian conditions; either high operating temperature, high humidity or dry and dusty, the welding machine may not be able to withstand these tough conditions, therefore limiting the durability and lifespan of the machine.

Welding Gun

The quality of the welding gun is an important consideration when selecting a MIG package. A high quality gun will deliver a consistent welding output, meaning the job will get done right the first time and without any hassle.

Welding Industries of Australia offers a range of high quality, Australian made MIG welding machines. The Weldmatic 250S and 255 have been a favourite of our customers in rural areas for many years. Designed to withstand rough use, tough environmental conditions and manufactured using only the highest quality components and materials – the new Weldmatic 256 is the ideal choice for farm maintenance, hard surfacing and light industrial applications. It will definitely have its place in your shed or workshop for years to come.

WIA has been manufacturing in Australia for over 40 years and has built a very loyal base of customers who wouldn't consider using anything else. WIA prides itself on building machines that are reliable and durable, meaning our customers are not let down in the middle of a job. Every WIA Weldmatic undergoes a series of stringent tests before ever leaving the factory, is covered by a 3 year warranty and supported by a national network of service agents.

WELDMATIC LIGHT INDUSTRIAL MIG WELDERS

WELDING WITHOUT COMPROMISE

- High performance welding at high & low ranges
- Composite cable leads
- 3 Year Gold Shield Warranty

Weldmatic machines are backed by the WIA 'Gold Shield 3 Year Warranty', covering parts and workmanship and supported by an Australia-wide service network.

WIA Backed. Australian Made. Local Support.

SELECTION CHART

MODEL	THICKNESS OF METAL FILLET WELDING IN A SINGLE PASS	WIRE SIZE RANGE (mm)	GAS/ GASLESS	WIRE SPOOL SIZES	APPLICATIONS	PRIMARY PLUG REQUIRED FOR MAX OUTPUT & DUTY CYCLE	CIRCUIT BREAKER REQUIRED FOR MAX OUTPUT	GENERATOR FOR MAX OUTPUT	RATED OUTPUT @ 40C (10min)
WELDMATIC 150		0.6 - 0.9 Solid 0.8 - 1.2 Cored	Yes	1 & 5kg	Home workshops, light industry, rural & hire fleets	15A, 240 Vac	20A	6.7kVA	150A, 21.5V, 20% duty
WELDMATIC 175		0.6 - 0.9 Solid 0.8 - 1.2 Cored	Yes	1 & 5kg	Home workshops, trades, light industry, rural & hire fleets	15A, 240 Vac	20A	7.2kVA	175A, 22.8V, 16% duty
WELDMATIC 8mm		0.6 - 1.0 Solid 0.8 - 1.2 Cored	Yes	5 & 15kg	Crash repairs, exhaust shops & light tube structures	15A, 240 Vac	20A	7.5kVA	175A, 22.8V, 20% duty
WELDMATIC 10mm		0.6 - 1.0 Solid 0.8 - 1.2 Cored	Yes	5 & 15kg	Light Industry, crash repairs, rural workshop, schools & colleges	20A, 240 Vac	25A	9.5kVA	200A, 24V, 20% duty
WELDMATIC 256		0.6 - 1.2 Solid 0.8 - 1.2 Cored	Yes	5 & 15kg	Light to medium fabrication, maintenance, rural workshops, hire fleets & body	25A, 240 Vac 12A, 480 Vac	32A or 40A (20A application dependent)	12.0kVA	255A, 27V, 25% duty

[MIG MACHINES - SINGLE PHASE]

WELDMATIC 150

PART NO. CP121-0

LIGHTWEIGHT AND PORTABLE - A truly portable MIG welder. The Weldmatic 150 is compact and lightweight with easy lifting capability so you can take it anywhere - it goes where you go!

RUGGED & POWERFUL - The ideal choice for home, trades, light industrial, rural and hire applications.

QUICK & EASY GUN CABLE ASSEMBLY - Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.

EASY SET-UP & ADJUSTMENT - 9 voltage settings for precise welding control and weld setting chart for easy set-up and fine tuning of the machine.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

GAS SAVINGS - The use of gasless wire eliminates the need for costly shielding gases and ongoing gas bottle rental.

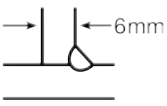
BUILT-IN OPERATOR SAFETY - The power source features a built-in protection device that will cut in if the machine is operated over its current and duty cycle rating.

The machine is also fitted with a "power on" indicator with stand by, and an over temperature indicator that lights up if the unit overheats.

The Weldmatic 150 comes with twin rubber handles for both comfort and lifting safety.

SPOOL CAPACITY - 1kg and 5kg.

FILLET WELD - Up to 6mm steel, stainless steel and aluminium in a single pass.



STANDARD PACKAGE
Power source with internal wirefeed
Gun cable 3m
Work lead 3m
Gas hose
Regulator
Operating manual

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
240 Vac - 50Hz	12 Amps	28 Amps	6.7 kVA	15 Amps	150 Amps @ 21.5 Volts, 20% Duty Cycle 67 Amps @ 18 Volts, 100% Duty Cycle	35 - 150 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored	38kg

WELDMATIC 175

PART NO. CP122-1

PORTABLE & POWERFUL - Genuine 175 Amps of pure welding grunt, this powerful MIG out guns some of the big boys. The 175 is the perfect choice for home workshops, trades, light industry, rural and hire fleets.

COMPACT & CONVENIENT - This compact unit is easily transported in the boot of a car. Comes complete with a trolley cart and accessory tray for convenience and accepts gas cylinder sizes up to E.

QUICK & EASY GUN CABLE ASSEMBLY - Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.

EASY SET-UP & ADJUSTMENT - 9 voltage settings for precise welding control and weld setting chart for easy set-up and fine tuning of the machine.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

GAS SAVINGS - The use of gasless wire eliminates the need for costly shielding gases and ongoing gas bottle rental.

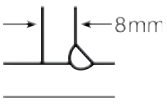
BUILT-IN OPERATOR SAFETY - The power source features a built-in protection device that will cut in if the machine is operated over its current and duty cycle rating.

The machine is also fitted with a "power on" indicator with stand by, and an over temperature indicator that lights up if the unit overheats.

The Weldmatic 175 comes with twin rubber handles for both comfort and lifting safety.

SPOOL CAPACITY - 1kg and 5kg.

FILLET WELD - Up to 8mm steel, stainless steel and aluminium in a single pass.



STANDARD PACKAGE
Power source with internal wirefeed
Trolley cart
Gun cable 3m
Work lead 3m
Gas hose
Regulator
Operating manual

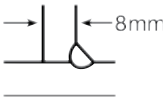
PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
240 Vac - 50Hz	12 Amps	30 Amps	7.2 kVA	15 Amps	175 Amps @ 22.8 Volts, 16% Duty Cycle 67 Amps @ 18 Volts, 100% Duty Cycle	35 - 175 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored	45kg

[MIG MACHINES - SINGLE PHASE]

WELDMATIC 8mm (200 Amps Max Output)

PART NO. CP118-0

As the name suggests the Weldmatic 8mm has a top end capacity to fillet weld up to 8mm steel, stainless or aluminium in a single pass. Ideal for welding sheetmetal, exhaust and other light tubing – this MIG has what it takes for the heavier jobs too. The 8mm is mobile mounted and conveniently sized to fit into the busiest workshop, or under a workbench.

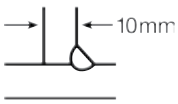


STANDARD PACKAGE
Power source with internal wirefeed
Gun cable 3m
Gas regulator / flowmeter
Earth Clamp
Operating manual

WELDMATIC 10mm (225 Amps Max Output)

PART NO. CP119-0

This MIG welder delivers top-end capacity without sacrificing low-end performance. With a smooth, easily controlled arc right across the range, and a top end capacity to fillet weld up to 10mm steel, stainless or aluminium in a single pass, the Weldmatic 10mm offers the best of both worlds! Able to handle both light and heavy jobs, the 10mm is ideal for rural workshops and light manufacturing, to training colleges and schools. Its compact design uses minimum floor space and can be easily fitted under a bench.



STANDARD PACKAGE
Power source with internal wirefeed
Gun cable 3m
Gas regulator / flowmeter
Earth clamp
Operating manual

REDUCED POWER CONSUMPTION & LESS NOISE -

Fan-on-Demand™ cooling system uses less power and generates less noise by only operating when needed, meaning improved efficiency, less maintenance and a safer working environment.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

ADJUSTABLE 'ARCSTART' CONTROL - Provides good arc starts that allow starting conditions to be fine-tuned from 'Soft Start' through to 'Fast' to suit any welding application.

The **'smooth' arc characteristic** makes it easy to weld thin materials without burn-through. Use with silicon bronze wire for low distortion joints which are easily dressed and finished.

REDUCED OPERATOR FATIGUE - Select LATCH gun switch mode to reduce operator fatigue – trigger gun switch to start and again to stop.

INDUSTRIAL STRENGTH - Fitted with an industrial standard 3m Bernard gun and cable for reliable welding performance and long operating life.

SPOOL CAPACITY - Accommodates 5kg and 15kg spools – meaning greater flexibility across a range of applications.

MODEL	PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
Weldmatic 8mm P/N CP118-0	240 Vac - 50Hz	15 Amps	31 Amps	7.5 kVA	15 Amps	175 Amps @ 22.8 Volts, 20% Duty Cycle 80 Amps @ 18 Volts, 100% Duty Cycle	30 - 200 Amps	0.6 - 1.0 solid 0.8 - 1.2 cored	72kg
Weldmatic 10mm P/N CP119-0	240 Vac - 50Hz	18 Amps	38 Amps	9.5 kVA	15 Amps* (see note)	200 Amps @ 24 Volts, 20% Duty Cycle 90 Amps @ 19.5 Volts, 100% Duty Cycle	35 - 225 Amps	0.6 - 1.0 solid 0.8 - 1.2 cored	75kg

* 15 Amp plug fitted for commissioning purposes only

WELDMATIC 256

PART NO. CP124-1 (240 VOLT MODEL) PART NO. CP124-3 (480 VOLT MODEL)

TOP OF THE RANGE - This 255 Amp single phase MIG heavy weight delivers exceptional welding performance across a range of applications from light to medium fabrication to farm maintenance, including hard surfacing. 480 Volt model is ideal for rural SWER line operation.

EASY TO USE - Fine adjustment arc controls are conveniently mounted on the portable wirefeeder and within easy reach of the operator. The welding parameters can be fine tuned at the job without having to return to the machine.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

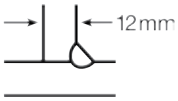
DUAL FRONT HANDLES - Exclusive split handles with rubber grips designed to move the machine easily and allow composite work lead and MIG gun to be stored independently.

IMPROVED OPERATOR SAFETY - One piece 8m composite cable interconnecting leads provide convenience, improved workplace safety and longer cable life. A **low easy access bottle tray** enables the user to roll the gas bottle on with ease.

REDUCED POWER CONSUMPTION & LESS NOISE - Fan-on-Demand™ cooling system uses less power and generates less noise by only operating when needed, meaning improved efficiency, less maintenance and a safer working environment.

SPOOL CAPACITY - Accommodates 5kg and 15kg spools – meaning greater flexibility across a range of applications.

FILLET WELD - Up to 12mm steel, stainless steel and aluminium in a single pass.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
240 Vac - 50Hz 480 Vac - 50Hz	25 Amps 12 Amps	49 Amps 25 Amps	12 kVA 12 kVA	15 Amps* (see note)	255 Amps @ 27 Volts, 25% Duty Cycle 100 Amps @ 19 Volts, 100% Duty Cycle	30 - 255 Amps	0.6 - 1.2 solid 0.8 - 1.2 cored	104kg

* 15 Amp plug fitted for commissioning purposes only, no plug fitted to 480 VAC

WELDMATIC W60 4 ROLL DRIVE WIREFEEDER

PART NO. W60-0 (WIREFEEDER ONLY) TO SUIT WELDMATIC 256

- **4 Roll Drive 50W Motor** provides consistent, strong drive for a variety of wires.
- **High & Low Speed Range** provides 1 to 10m/min or 8 to 20m/min speed, giving finer control of wire speed - particularly useful at lower voltage settings.
- **Arc Start Control** allows starting response to be fine tuned to weld conditions.
- **Creep Start Mode** provides slow wire speed until weld starts - ideal for aluminium starts.
- **Purge** allows gas line to be purged, without feeding wire.
- **Inch** allows wire to be fed without wasting gas.
- **Latch** provides gun switch trigger to start and then again stop, reducing operator fatigue on long welds.
- **Post Gas** allows gas to continue flowing after weld has finished.
- **Pre Gas** allows gas to flow before weld starts.
- **Burnback** controls how far the wire burns back to the tip on completion of the welding operation.
- **Spot Time** provides short weld times for repetitive spot welds.
- **Fine Voltage Control** infinite voltage adjustment at the wirefeeders.

WELDMATIC

BUILT TO PERFORM

3 GOLD SHIELD WARRANTY

MADE IN AUSTRALIA

Every Weldmatic comes standard with built-in toughness, from the heavy duty fan to the robust gun – giving you the ultimate in reliability and performance to take on the most demanding welding jobs.

BACKED BY A COMPREHENSIVE 3 YEAR WARRANTY YOU CAN BE SURE YOU'RE BUYING THE BEST.

WELDMATIC INDUSTRIAL MIG WELDERS

WELDING WITHOUT COMPROMISE!

- High performance welding at high and low ranges
- Composite cable leads
- Fan-on-Demand™ cooling system
- 3 Year Gold Shield Warranty

Weldmatic machines are backed by the WIA 'Gold Shield 3 Year Warranty', covering parts and workmanship and supported by an Australia-wide service network.

WIA Backed. Australian Made. Local Support.

SELECTION CHART

MODEL	WIREFEEDER OPTIONS	WIRE SIZE RANGE (mm)	GAS/ GASLESS	WIRE SPOOL SIZES	APPLICATIONS	CIRCUIT BREAKER REQUIRED FOR MAX OUTPUT	GENERATOR FOR MAX OUTPUT	RATED OUTPUT @ 40C (10min)
WELDMATIC 356	With enclosed 4 Roll Drive wirefeeder	0.6 - 1.2 Solid 0.8 - 1.6 Cored	Yes	5 & 15kg	Light to medium industrial fabrication, sheetmetal, boat building, service, repair, maintenance and training centres/schools	20 Amps	17.5 kVA	355A, 32V, 40% duty 225A, 25.3V, 100% duty
WELDMATIC 396	With enclosed 4 Roll Drive wirefeeder	0.8 - 1.6 Solid 0.8 - 1.6 Cored	Yes	5 & 15kg	Medium to heavy fabrication	25 Amps	22 kVA	395A, 35V, 30% duty 250A, 26.5V, 100% duty
FABRICATOR WELDMATIC	With enclosed 4 Roll Drive wirefeeder or heavy duty W19 2 Roll Drive wirefeeder	0.6 - 1.6 Solid 0.8 - 2.0 Cored	Yes	5 & 15kg	Medium to heavy fabrication including vehicle manufacture, ship building, aluminium and stainless steel construction and the full range of steel fabrication	25 Amps	22 kVA	400A, 35V, 45% duty 270A, 30V, 100% duty

[MIG MACHINES - THREE PHASE]

WELDMATIC 356

PART NO. CP125-1 (WITH W61 4 ROLL DRIVE WIREFEEDER)

PURE POWER - This industrial strength MIG from Weldmatic delivers 355 Amps of pure power, plus all the features needed to maximise your productivity in one complete package.

PRODUCTIVITY ON DEMAND - Experience a boost in productivity thanks to the impressive 40% duty cycle rating at the rated output of 32 Volts.

INDUSTRIAL STRENGTH - The Weldmatic 356 is the ideal choice for medium industrial fabrication workshops, sheet metal, boat building, service, repair, maintenance and training centres/schools.

FINE ARC CONTROL - 30 voltage steps provide fine arc control over the whole operating range, from short arc to full spray transfer.

RELIABILITY - Fitted with an industrial standard 3.6m Bernard gun and cable for reliable welding performance and long operating life.

FLEXIBILITY - Reach around those awkward jobs with the fully enclosed separate wirefeeder.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

DUAL FRONT HANDLES - Exclusive split handles with rubber grips designed to move the machine easily and allow composite work lead and MIG gun to be stored independently.

OPERATOR SAFETY & CONVENIENCE - 10m composite cable interconnecting leads provide extended cable life, improved workplace safety and allow easy reach around later awkward jobs. A **low easy access bottle tray** enables the user to roll the gas bottle with ease. Wirefeed controls are mounted on the wirefeeder within reach of the operator.

INCREASED LIFE OF COMPONENTS - The Fan-on-Demand™ uses less power and generates less noise by only operating fan when needed. This reduces dust build up inside the machine, meaning less maintenance time and increasing the life of components.

SPOOL CAPACITY - Accommodates 5kg and 15kg spools – meaning greater flexibility across a range of applications.

BASE OPTIONS	PART NO.
20 Amp primary plug	CLI56P420

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
380/415 Vac, 50Hz	15 Amps	24 Amps	17.5 kVA	355 Amps @ 32 Volts, 40% Duty Cycle 225 Amps @25.3 Volts 100% Duty Cycle	35 - 355 Amps	0.6 - 1.2 solid 0.8 - 1.6 cored	135kg

WELDMATIC 396

PART NO. CP126-1 (WITH W61 4 ROLL DRIVE WIREFEEDER)

COMPLETE INDUSTRIAL MIG WELDING PACKAGE - This 395 Amp three phase MIG welder is ideal for medium to heavy fabrication, and all general industrial fabrication applications.

FLEXIBILITY & POWER - Optimal weld characteristics provide high quality results on steel, stainless steel and aluminium, plus the power to comfortably run all popular sizes of solid and flux cored wires. With the capacity to run 1.6mm flux cored wire, the 396 can handle a wide range of applications.

ULTRA-FAST WIRE BREAKING FEATURE - Featured on the 4RD wirefeeder - leaves the wire tip extra clean at the end of the weld.

Features include:
- **Normal' and 'creep' start speed modes**
- **Cold wire inch/gas purge controls**
- **Pre/post gas timer controls**

PRECISE SET-UP - Digital volt and amp meters with retain last weld information.

FINE ARC CONTROL - 30 voltage steps for fine arc control over the whole operating range, from short arc to full spray transfer.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

DUAL FRONT HANDLES - Exclusive split handles with rubber grips designed to move the machine easily and allow composite work lead and MIG gun to be stored independently.

OPERATOR SAFETY & CONVENIENCE - 10m composite cable interconnecting leads provide extended cable life, improved workplace safety and allow easy reach around later awkward jobs. A **low easy access bottle tray** enables the user to roll the gas bottle with ease. Wirefeed controls are mounted on the wirefeeder within reach of the operator.

INDUSTRIAL STRENGTH - Fitted with an industrial standard 3.6m Bernard gun and cable for reliable welding performance and long operating life.

SPOOL CAPACITY - Accommodates 5kg and 15kg spools – meaning greater flexibility across a range of applications.

BASE OPTIONS	PART NO.
20 Amp primary plug	CLI56P420

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	RATED OUTPUT @ 40C (10 min)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
380/415 Vac - 50Hz	16 Amps	30 Amps	22 kVA	395 Amps @ 35 Volts, 30% Duty Cycle 250 Amps @ 26.5 Volts, 100% Duty Cycle	55 - 395 Amps	0.8 - 1.6 solid 0.8 - 1.6 cored	135kg

THE COMPLETE INDUSTRIAL MIG WELDING SOLUTION

FEATURING ALL NEW! CENTERFIRE™ CONSUMABLES

APPLICATIONS:

A complete industrial welding solution for medium and heavy industrial fabrication, including vehicle manufacture, ship building, aluminium and stainless steel construction and the full range of steel fabrication.

MODEL OPTIONS:

Either select from two factory package options or custom select the package requirements to suit your specific job requirements.

WELDMATIC FABRICATOR

W61 4 ROLL DRIVE WIREFEEDER PACKAGE PART NO. CP127-3

- Low easy access bottle tray.
- Fan-on-Demand™ cooling system.
- Digital meters.
- 30 voltage steps.

Supplied complete with W61 four roll drive fully enclosed wirefeeder, 10m composite cable interconnecting leads, Ar/CO_2 regulator flowmeter, 10m work lead and clamp, Bernard gun with 3.6m (12ft) cable featuring Centerfire™ front end and 5m primary lead.

BASE OPTIONS	PART NO.
20 Amp primary plug	CLI56P420

WELDMATIC FABRICATOR

W19 WIREFEEDER PACKAGE PART NO. CP127-1

Supplied complete with heavy duty Weldmatic W19 two roll drive open style wirefeeder, 10m composite cable interconnecting leads, Ar/CO_2 regulator flowmeter, 10m work lead and clamp, Bernard gun with 3.6m (12ft) cable featuring Centerfire™ front end and 5m primary lead.

BASE OPTIONS	PART NO.
20 Amp primary plug	CLI56P420

WELDMATIC FABRICATOR

CUSTOM SELECT MODEL

Select from the individual items below to customise the Fabricator package to best suit the job.

ITEM	PART NO.
Power source with 3m primary lead	CP127-2
Weldmatic W19 wirefeeder including 10m interconnecting lead kit	WFL005
Weldmatic W19 wirefeeder including 20m interconnecting lead kit	WFL006
Weldmatic 4RD wirefeeder including 10m interconnecting lead kit	WFL010
Weldmatic 4RD wirefeeder including 20m interconnecting lead kit	WFL011
Bernard gun with 3.6m cable, for use with W19 wirefeeder	BEQ4012AR8EM
Bernard gun with 4.6m cable, for use with W19 wirefeeder	BEQ4015AH8EM
Bernard gun with 3.6m cable, for use with 4RD wirefeeder	BEQ4012AR8EE
Bernard gun with 4.6m cable, for use with 4RD wirefeeder	BEQ4015AR8EE
Primary supply plug, three phase	CLI56P420
Work lead 50mm2 10m large plug	AM322-2/10
Ar/CO_2 mixed gas regulator & flow gauge	HA801AR

POWER SOURCE	PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	RECOMMENDED GENERATOR kVA	RATED OUTPUT @ 40C (10 min cycle)	WELDING CURRENT RANGE	WIRE SIZE RANGE (mm)	SHIPPING WEIGHT
CP127-2	415 Vac - 50Hz	21 Amp	30 Amps	22 kVA	400 Amps @ 35 Volts, 45% Duty Cycle 270 Amps @ 30 Volts, 100% Duty Cycle	40 - 400 Amps	0.6 - 1.6 solid 0.8 - 2.0 cored	188kg

THE COMPLETE INDUSTRIAL MIG WELDING SOLUTION

The Weldmatic Fabricator has been the industry standard for many years. With proven performance and reliability that is second to none, it is the ultimate choice for medium to heavy fabrication. Ideal for vehicle manufacture, ship building, aluminium and stainless steel construction and the full range of steel fabrication.

RUGGED & RELIABLE - This compact MIG has the power to comfortably run all popular sizes of solid and flux cored wires.

PRECISE SET-UP & WELDING CONTROL - Digital volt and amp meters with last weld displayed for 30 seconds for precise set-up. The separate ON/OFF switch enables weld settings to be retained. 30 step voltage control enables fine tuning of weld settings for precise welding control.

REDUCED POWER CONSUMPTION & LESS NOISE - Fan-on-Demand™ cooling system uses less power and generates less noise by only operating when needed, meaning improved efficiency, less maintenance and a safer working environment.

GAS OR GASLESS - Suited to both gas shielded solid wires and gasless (self-shielding) flux cored wires. Output terminals on the front of the machine provide quick and easy polarity reversal.

GAS SAVINGS - The use of gasless wire eliminates the need for costly shielding gases and ongoing gas bottle rental.

OPERATOR SAFETY & CONVENIENCE - 10m composite cable interconnecting leads for convenience, improved workplace safety and extended cable life. A **low easy access bottle tray** enables the user to roll the gas bottle on with ease.

INDUSTRIAL STRENGTH - Fitted with an industrial standard 3.6m Bernard gun and cable for reliable welding performance and long operating life.

SPOOL CAPACITY - Accommodates 5kg and 15kg spools – meaning greater flexibility across a range of applications.

WELDMATIC WIREFEEDERS

W19 WIREFEEDER

WIREFEEDER ONLY PART NO. W19-3
WITH 10M COMPOSITE LEADS PART NO. WFL005
WITH 20M COMPOSITE LEADS PART NO. WFL006

Heavy duty 2 roll drive wirefeeder for use with the Weldmatic Fabricator power source. Simple to use, but with all of the features for industrial manufacturing and fabrication. This wirefeeder is ideal for high duty cycle applications requiring reliable trouble free operation.

- Large 42mm diameter, quick change drive rolls.
- Gear driven drive rolls for smooth, positive and accurate wire feed.
- Creep start, pre and post gas settings.
- Trigger latch mode to reduce operator fatigue.

OPTIONAL ACCESSORIES	PART NO.
Euro Gun Adaptor	MR164902
Bernard E2 Feed Gun adaptor	BE4995N

WELDMATIC W60 & W61 4 ROLL DRIVE WIREFEEDERS

W60 FOR WELDMATIC 256 PART NO. W60-0 (WIREFEEDER ONLY)
W61 FOR WELDMATIC 356 & 396 AND FABRICATOR PART NO. W61-0 (WIREFEEDER ONLY)
W61 WITH 50MM² 3M COMPOSITE LEAD FOR WELDMATIC 356, 396 & FABRICATOR PART NO. WFL009
W61 WITH 50MM² 10M COMPOSITE LEAD FOR WELDMATIC 356, 396 & FABRICATOR PART NO. WFL010
W61 WITH 50MM² 20M COMPOSITE LEAD FOR WELDMATIC 356, 396 & FABRICATOR PART NO. WFL011

4 roll drive wirefeeder for use with the Weldmatic 356, 396 and Fabricator power sources.

- **4 Roll Drive 50W** motor provides consistent, strong drive for a variety of wires.
- **High & Low Speed Range** provides 1 to 10m/min or 8 to 20m/min speed, giving finer control of wire speed - particularly useful at lower voltage settings.
- **Arc Start Control** allows starting response to be fine tuned to weld conditions.
- **Creep Start Mode** provides slow wire speed until weld starts - ideal for aluminium starts.
- **Purge** allows gas line to be purged, without feeding wire.
- **Inch** allows wire to be fed without wasting gas.
- **Latch** provides gun switch trigger to start and then again to stop, reducing operator fatigue on long welds.
- **Post Gas** allows gas to continue flowing after weld has finished.
- **Pre Gas** allows gas to flow before weld starts.
- **Burnback** controls how far the wire burns back to the tip on completion of the welding operation.
- **Spot Time** provides short weld times for repetitive spot welds.

SPECIFICATIONS
Wire size up to 1.6mm
Wire speed range 1-20m/min
30 Volt AC supply

WELDING ACCESSORY COMPOSITE LEAD KITS

TO SUIT WELDMATIC 256
(CP124-1 & 3)

SIZE	PART NO.
8m lead kit	AM330-1/8

TO SUIT WELDMATIC 356 W/4RD
(CP125-1)

SIZE	PART NO.
10m lead kit	AM331-1/10

TO SUIT WELDMATIC 396 & FABRICATOR W61 & W19
(CP126-1, CP127-3, CP127-1)

SIZE	PART NO.
10m lead kit	AM332-1/10
20m lead kit	AM332-1/20

WELDMATIC DRIVE ROLLERS & INLET GUIDES

TO SUIT W32, CP42, CP102, CP103, CP104, CP105, CP106, CP110, CP111, CP112, CP115, CP116 CP121-0, CP122-1

DRIVE ROLLERS

SIZE (mm)	PART NO.
0.6 / 0.8	W26-0/8
0.8 / 1.0	W26-1/8
0.9 / 1.2	W26-5/8
0.9 / 1.2 knurled	W26-9/8
1.0 / 1.2	W26-2/8
1.2 / 1.6	W26-4/8
1.0 / 1.2 aluminium	W26-3/8
1.0 / 1.2 knurled	W26-7/8
1.2 / 1.6 knurled	W26-6/8

INLET GUIDES

SIZE (mm)	PART NO.
2.0 I.D.	W26-0/13

TO SUIT W34 FOUR ROLL DRIVE

DRIVE ROLLERS

SIZE (mm)	PART NO.
0.8 / 1.0	W36-0/30
1.0 / 1.2	W36-0/31
1.6 / 2.4 knurled	W36-0/34

INLET GUIDES

SIZE (mm)	PART NO.
0.8 / 1.6 brass	W26-0/13

DRIVE ROLLERS TO SUIT W60 & W61 WIREFEEDERS (37mm dia)

SIZE (mm)	PART NO.
0.6 / 0.8 'V' groove	WF026
0.9 / 1.2 'V' groove	WF027
1.2 / 1.6 'V' groove	WF028
1.0 / 1.2 'U' groove	WF029
0.9 / 1.2 knurled	WF030
1.2 / 1.6 knurled	WF031

TO SUIT 4RD WIREFEEDER & CP118, CP119

DRIVE ROLLERS

SIZE (mm)	PART NO.
0.6 / 0.8 'V' groove	W51-0/5
0.8 / 1.0 'V' groove	W51-0/4
0.9 / 1.2 'V' groove	W51-0/2
1.2 / 1.6 knurled	W51-0/1
1.6 / 2.0 knurled	W51-0/7
0.9 / 1.2 aluminium	W51-0/3

TO SUIT W19 & 12VS WIREFEEDER DRIVE ROLL KIT

SIZE (mm)	PART NO.
0.6 'V' groove	MR087131
0.8 'V' groove	MR079594
0.9 'V' groove	MR079595
0.9 / 1.2 'V' groove	MR190300
1.2 'V' groove	MR079596
1.6 'V' groove	MR079598
0.9 'U' groove	MR044749
1.2 'U' groove	MR079599
1.6 'U' groove	MR079601
2.0 'U' groove	MR079602
0.9 knurled 'V' groove	MR079606
1.2 knurled 'V' groove	MR079607
1.6 knurled 'V' groove	MR079609
2.0 knurled 'V' groove	MR079610
1.2 cogged 'U' groove	MR083318
1.6 cogged 'U' groove	MR079614

*Each drive roll kit includes top & bottom drive rollers & wire guide

NYLON INLET GUIDES (W19 FEEDERS)

SIZE (mm)	PART NO.
1.2 nylon wire guide for aluminium	MR151203

TO SUIT W17 & W35 WIREFEEDER

DRIVE ROLLERS

SIZE (mm)	PART NO.
0.8 'V' groove	W2-21
0.9 / 1.2 'V' groove	W2-22
Flat upper roller	W2-20
0.9 / 1.2 'U' groove, chromed	W2-48
1.2 / 1.6 'U' groove, chromed	W2-50
Flat upper roller, chromed	W2-49
1.2 knurled	W2-51
1.6 / 2.0 knurled	W2-24

INLET GUIDES

SIZE (mm)	PART NO.
0.8 / 1.2 brass	W2-44/12-1
1.6 / 2.0 brass	W2-44/12-2

TO SUIT W41-0 2RD WIREFEEDER

DRIVE ROLLERS

SIZE (mm)	PART NO.
1.0 / 1.2 aluminium, high speed	W51-40/3

Serious Protection with *attitude*

Miller® Auto-Darkening Helmets

ELITE™ SERIES – The ultimate helmet for the most demanding applications

- 30% larger viewing area than our standard lens for maximum viewing capacity
- Lens technology responds to extremely low-amperage TIG arcs (5 amps and below) including DC inverter TIG
- Comfortable fully adjustable ratchet style headgear with odour absorbing headband and comfort cushion
- Four independent arc sensors provide continuous arc-sensing capability for your most demanding applications - highly recommended for low amperage TIG! Lens darkening reaction time is 1/20,000 sec
- 17% lighter than most competitive models
- Medium impact rating
- Extra cover lenses, helmet bag and comfort cushion included
- Auto-on/off and grind mode
- Features magnifying lens holder
- Standards ANSI Z8 1/DIN/TUV/CE
- Battery powered (replaceable) with solar-assist for exceptionally long life (3000 hours on MIG). No charging required!
- 2 year warranty (covers auto-darkening lens only)

Inferno - 222669

Joker - 227187 | Lightning - 222900 | Orange County Chopper - 222671 | Roadster - 224870 | Black - 216322

OPTIONAL ACCESSORIES	PART NO.
Front lens cover (Pk 5)	216326P
Inside cover lens (Pk 5)	216327P

OPTIONAL ACCESSORIES	PART NO.
Magnifying lens x 1.5	212238P
Magnifying lens x 2.0	212240P
Magnifying lens x 2.5	212242P

AUTO-DARKENING HELMETS – THE BATTLE OF SELECTION

Selection of the right Auto-Darkening welding helmet has become rather confusing. With so many models available on the market to choose from, the range of price brackets and the different terminology used by various manufacturers, it is difficult to know which one to go with.

It basically comes down to the type of welding application – once you know what type of job you will be using the helmet for, it becomes clearer as to what features you need – plus you'll know how many amps the Auto-Darkening helmet needs to be able to handle.

The best advice is to understand the benefits offered by the various features and not make a decision purely on price. A high quality Auto-Darkening welding helmet is vital to provide the maximum protection for your eyes. Even if you're only an occasional welder, you can still damage your eyes by selecting the wrong Auto-Darkening welding helmet.

So what should you look for in a quality Auto-Darkening welding helmet?

- Most quality lenses will feature a switching speed around 1/15000th to 1/20000th of a second (0.07 to 0.05 Milliseconds) – enabling the lens to switch to dark without any noticeable flash to the human eye.
- When it comes to sensors, the rule of thumb is the more the better. Most Auto-Darkening helmets will feature at least 2 sensors. Products fitted with 3 or 4 sensors are less likely to be troubled by any obstruction to the sensors, and therefore much less likely to change back to the light state in the middle of welding.
- Ensure the helmet has built-in sensitivity functions. These allow for the sensors to be tuned in to ambient light conditions – allowing the operator to eliminate external light sources that may impact the ability of the sensors to detect a welding arc. This means that the lens will darken when needed, and not before.
- A Delay Control feature is essential. It allows the operator to control the switching time between light and dark. In some welding applications, there can be a significant afterglow resulting in eye discomfort. In these situations, the delay control allows the adequate time for the weld metal to cool, avoiding any eye discomfort.
- Comfort can be a major issue with Auto-Darkening welding helmets. During selection, you should look for a lightweight polyamide nylon shell and a fully adjustable harness, along with plenty of cushioning for support.
- Lastly, the helmet design should exhibit significant space between the external cover lens and the filter, plus offer flexibility in the harness. This minimizes the likelihood of any damage to the filter lens – which can account for as much as 90% of the total cost of the unit.

The bottom line is that you have to assess the helmet that is right for you by ensuring that the features mentioned above are present, determine the type of welding you'll be using it for, and try the helmet to make sure it is a comfortable fit. Plus, warranty needs to be taken into consideration – as Auto-Darkening helmets rely heavily on electronics for correct function. 2 years is the standard for quality products.

INCREASE YOUR PRODUCTIVITY & REDUCE YOUR WELDING COSTS!

CENTERFIRE™ SERIES

- **NO TOOLS REQUIRED** to replace tip or nozzle.
- **"DROP-IN" TIP** with no threads means quick change after burnback, reducing down time.
- **LARGE DIAMETER TIP BASE** and tapered seat provides better electrical conductivity and heat transfer.
- **SPATTER SHIELD** within nozzle protects diffuser and gives smoother, less turbulent gas flow.
- **SOLID, CONCENTRIC RELATIONSHIP** between tip and nozzle keeps tip centered even after hard use... and abuse.
- **FIXED TIP RECESS** choose from flush, 1/8" or 1/4" tip recess.
- **COMPATIBLE** with all standard air-cooled Bernard guns.
- **ADAPTABLE** to most brands of common MIG guns available in Australia.
- **COMPLETE FAMILY** of tips and nozzles are available to meet most of your welding needs.
- **CENTERFIRE™ MANUFACTURED** with pride in the USA.

Weldmatic Industrial Three Phase MIG Machines are now fitted with ALL NEW Centerfire™ Front End

Increase Your Productivity and Reduce Your Welding Costs!

Reduce downtime and deliver superior weld performance by choosing the right welding consumable.

Companies often put significant effort into selecting the right welding equipment, but give little thought to the selection of consumables, not realising the impact using inferior tips and nozzles can have on weld quality. When it comes to welding tips and nozzles, companies often go with the cheapest alternative to reduce welding costs – but saving up front does not always equate to savings in the long-term.

Using inferior quality consumables can result in reduced weld performance, increased operator downtime, higher consumable usage and lower productivity. For companies serious about maximising their productivity, the selection of the right consumable product should warrant careful consideration when purchasing equipment and establishing welding procedures and processes.

Take the example of a major manufacturer that was experiencing poor arc starts and welding characteristics after a significant investment in new welding equipment. At first, it was assumed that the equipment was at fault, but on closer inspection and with the assistance of external welding advice, it was determined that the problems were a result of the quality of contact tips being used. The contact tips had excessive clearance which produced a situation where the wire was repeatedly burning back into the tip when an arc was trying to be established. This issue would have been avoided by using higher quality torch consumables.

Using inferior quality consumables can result in reduced weld performance, increased operator downtime, higher consumable usage and lower productivity.

The range of Centerfire™ consumables, manufactured by Bernard, is worth consideration when seeking a high quality solution. The large diameter tip base and tapered seat provides better electrical conductivity and heat transfer, plus the spatter shield within the nozzle protects the diffuser and gives smoother, less turbulent gas flow. All this leads to consumables that last up to three times longer than cheaper alternatives. The "drop-in" tip design with no threads, and no tools required to replace the tip or nozzle means a quick change over after burn back, reducing downtime.

Centerfire™ contact tips can be adapted to any brand of MIG gun meaning only one brand of consumables is required – the cost savings are obvious – simplified ordering, less variety of stock carried and reduced wastage from trying the wrong tip.

So spending less up front on consumables may seem like a valid way to reduce welding costs – but in the end the increased frequency, with which welding operators need to stop to change tips or nozzles, and the rework required because of spatter or ineffective gas coverage causing porosity in the weld far outweighs any initial savings. The bottom line is quality consumables maximise the weld performance and the production time of welding staff, keeping productivity up and costs down.

For more information on the Bernard Centerfire™ range of consumables visit welding.com.au.

Helpful Hints:

Save money with gasless MIG wire

WIA recommend Fabshield self shielding MIG wire for use with Weldmatic machines. It is an economical option for those windy outdoor conditions where gas bottles can be inconvenient and costly to rent.

Improve your weld with an auto-darkening helmet

Using a good quality auto-darkening helmet can make your welding job easier and safer. No more lens flipping. The lens automatically darkens from a safety shade 3 to welding shade when an arc is struck, leaving both hands free for steadying your welding torch. Select carefully to ensure the helmet is appropriate for your application.

Safety essentials for MIG welding

Ensure your body and limbs are well covered and use good quality safety accessories when welding. A reputable brand full face welding helmet and leather welding gloves are essential equipment.

Use only genuine Bernard gun cable spares

Using genuine Bernard gun cable spares (tips, nozzles, diffusers and liners) can save you money with longer operating life, less downtime and better weld performance than copy parts.

[SOLID MIG WIRES]

In addition to a range of high quality and reliable industrial welding equipment, the WIA product line-up features an extensive range of consumables to suit your specific application. **For further details and to take a look at the full range of WIA consumables visit welding.com.au.**

AUSTFIL RANGE

- Increased deposition rate.
- Improved weld integrity.
- Good operator appeal.

The Austfil range of flux cored wires reduces production costs through higher deposition rates with excellent high integrity deposits. Superb weld profiles with low spatter and fume levels result in good operator appeal.

FLUXOFIL RANGE

- Seamless copper coated tubular construction.
- Very low hydrogen H_5 class.
- Suitable for critical welding applications.

Seamless construction ensures the integrity of the wire and flux, preventing moisture penetration which in turn ensures the low hydrogen (H_5) classification is maintained and improves feeding of the wire through the drive rolls, liners and contact tips. Hydrogen is dissipated from the flux filled tube during high temperature annealing. The copper coating provides superior electrical conductivity, contact, feedability and shelf life.

FABSHIELD RANGE

NO GAS REQUIRED!

So what are the benefits of going gasless?

- Save on gas bottle rental.
- Easy to use, self shielding wire.
- Suitable for light gauge materials.
- Ideal for windy outdoor conditions when away from the workshop.
- Especially suited for galvanised, rusty or painted steel surfaces.
- Excellent weld appearance.
- All positional capability including vertical down.

WELDMATIC

Your local WIA distributor is: